First Class Mail or [] Express Mail Certificate IN THE UNITED STATES PATENT AND TRADEMARK OFFICE Application of: KOCH, Frederick E. et al. Group Art Unit: 2878 10/627,460 Serial No. Examiner: Filed: 07/25/2003 Atty. Dkt. No: 20030077-US QUANTUM DOT INFRARED PHOTODETECTOR FOCAL PLANE ARRAY For: To: Mail Stop IDS Fm: 24222 Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450 CERTIFICATE OF MAILING 37 CFR 1.8: I certify that this correspondence is being deposited on the below date with the U.S. Postal Service with sufficient postage as FIRST CLASS MAIL addressed to: Mail Stop IDS, Commissioner of Patents, PO Box 1450, Alexandria, VA 22313-1450 M Debra A. Langevin Dawn Case Date:

Commissioner:

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT

Transmitted herewith is the Applicant's Information Disclosure Statement, 2 sheets form PTO/SB/08A and/or PTO/SB/08B, and 1 reference and other information. Pursuant to 37 CFR 1.98 (a)(2)(i) applicant has not transmitted herewith copies of cited U.S. Patents and U.S. patent application publications as the above application was filed after June 30, 2003. Please enter in the above application and communicate in all related matters with the undersigned.

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FEB 1 7 2004 BY

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

KOCH, Frederick E. et al.

Group Art Unit: 2878

Serial No.

10/627,460

Examiner:

Filed:

07/25/2003

Atty. Dkt. No: 20030077-US

For:

QUANTUM DOT INFRARED PHOTODETECTOR FOCAL PLANE ARRAY

To:

Mail Stop IDS

Fm:

24222

Commissioner for Patents PO Box 1450

Alexandria, VA 22313-1450

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Date:

2/12/04

M Debra A. Langevin Dawn Case

Commissioner:

INFORMATION DISCLOSURE STATEMENT

Applicants submit this statement and the attached 2 sheet(s) of form PTO/SB/08A and/or PTO/SB/08B and 1 reference and other information in accordance to the duty of disclosure under 37 C.F.R. §§1.56,1.97, and 1.98, and requests consideration hereof. Pursuant to 37 CFR 1.98 (a)(2)(i) applicant has not transmitted herewith copies of cited U.S. Patents and U.S. patent application publications as the above application was filed after June 30, 2003.

Compliance with 37 C.F.R. §1.97: This Information Disclosure Statement is filed within three (3) months of the filing date of a National Application or before the mailing date of a first office action on the merits. No fee or certification is required.

<u>Information Cited:</u> The Applicants hereby make of record in the above-identified application, the information listed on the attached form PTO/SB/08A and/or PTO/SB/08B. The order of presentation of the references should not be construed as an indication of the importance of the reference. As all the references listed on attached Form PTO/SB/08A and/or PTO/SB/08B are in English, no commentary is required.

Remarks: A copy of each reference, together with a listing on Form PTO/SB/08A and/or PTO/SB/08B, is submitted herewith. Applicants respectfully request that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;

- 2. The enclosed form PTO/SB/08A and/or PTO/SB/08B be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application; and
- 3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicants make no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

By submitting this Information Disclosure Statement, the Applicants make no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

By submitting this Information Disclosure Statement, the Applicants make no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined in 37 C.F.R. §102.

Notwithstanding any statement by the Applicant, the Examiner is urged to form his own conclusion regarding the relevance of the cited information.

An early and favorable action is hereby requested.

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Respectfully submitted,

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PTO/SB/08A (08-03)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Substitute for form 1449/PTO

Sheet

(Use as many sheets as necessary)

of 2

Complete if Known				
Application Number	10/627,460			
Filing Date	07-25-2003			
First Named Inventor	KOCH, Frederick E. et al.			
Art Unit	2878			
Examiner Name				
Attorney Docket Number	20030077-US			

			U. S. PATENT	T DOCUMENTS	
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2 (if known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevan Figures Appear
		^{US-} 6,124,974	09-26-2000	Burger	
		^{US-} 6,239,449 B1	05-29-2001	Fafard et al.	
-		US- 6,445,000 B1.	09-03-2002	Masalkar et al.	
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		FOREI	GN PATENT DOCU	MENTS		
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/08B (08-03)

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Substitute for form 1449/PTO			Complete if Known		
			Application Number	10/627,460	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Filing Date	07-25-2003		
		First Named Inventor	KOCH, Frederick E et al.		
		Art Unit	2878		
		Examiner Name			
Sheet 2	of	2	Attorney Docket Number	20030077-US	

		NON PATENT LITERATURE DOCUMENTS	<u></u>
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		SARNEY, W.L. et al., "The Microstructural Characterization Of Quantum Dot Superlattices Grown For Infrared Detector Applications", Sensors & Electron Devices Directorate.U.S, Army Research Laboratory, Adelphi, MD	
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Examiner		Date	
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